

SEQUENCE LISTING

&lt;110&gt; Givaudan SA

&lt;120&gt; G-Proteins

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&lt;210&gt; 1

&lt;211&gt; 1122

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(1122)

&lt;223&gt;

&lt;400&gt; 1

atg gcc cgc tgc ctg acc tgg cgc tgc tgc ccc tgg tgc ctg acg gag 48

1 5 10 15

gat gag aag gcc gcc gcc cgg gtg gac cag gag atc aac agg atc ctc 96

20 25 30

ttg gag cag aag aag cag gac cgc ggg gag ctg aag ctg ctg ctt ttg 144

35 40 45

ggc cca ggc gag agc ggg aag agc acc ttc atc aag cag atg cgg atc 192

50 55 60

atc cac ggc gcc ggc tac tcg gag gag gag cgc aag ggc ttc cgg ccc 240  
65 70 75 80

ctg gtc tac cag aac atc ttc gtg tcc atg cgg gcc atg atc gag gcc 288  
85 90 95

atg gag cgg ctg cag att cca ttc agc agg ccc gag agc aag cac cac 336  
100 105 110

gct agc ctg gtc atg agc cag gac ccc tat aaa gtg acc acg ttt gag 384  
115 120 125

aag cgc tac gct gcg gcc atg cag tgg ctg tgg agg gat gcc ggc atc 432  
130 135 140

cgg gcc tgc tat gag cgt cgg cgg gaa ttc cac ctg ctc gat tca gcc 480  
145 150 155 160

gtg tac tac ctg tcc cac ctg gag cgc atc acc gag gag ggc tac gtc 528  
165 170 175

ccc aca gct cag gac gtg ctc cgc agc cgc atg ccc acc act ggc atc 576  
180 185 190

aac gag tac tgc ttc tcc gtg cag aaa acc aac ctg cgg atc gtg gac 624  
195 200 205

gtc ggg ggc cag aag tca gag cgt aag aaa tgg atc cat tgt ttc gag 672  
210 215 220

aac gtg atc gcc ctc atc tac ctg gcc tca ctg agt gaa tac gac cag 720  
225 230 235 240

tgc ctg gag gag aac aac cag gag aac cgc atg aag gag agc ctc gca 768  
245 250 255

ttg ttt ggg act atc ctg gaa cta ccc tgg ttc aaa agc aca tcc gtc 816  
260 265 270

atc ctc ttt ctc aac aaa acc gac atc ctg gag gag aaa atc ccc acc 864  
275 280 285

tcc cac ctg gct acc tat ttc ccc agt ttc cag ggc cct aag cag gat 912  
290 295 300

gct gag gca gcc aag agg ttc atc ctg gac atg tac acg agg atg tac 960  
305 310 315 320

acc ggg tgc gtg gac ggc ccc gag ggc agc aac tta aaa aaa gaa gat 1008  
325 330 335

aag gaa atc tat tct cac atg acc tgc gct act gac aca caa aac gtc 1056  
340 345 350

aaa ttc gtg ttt gat gcc gtg aca gat ata ata ata aaa gag aac ctc 1104  
355 360 365

aaa gac tgt ggg ctc ttc 1122  
370

&lt;210&gt; 2

&lt;211&gt; 374

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

Met Ala Arg Ser Leu Thr Trp Arg Cys Cys Pro Trp Cys Leu Thr Glu

1 5 10 15

Asp Glu Lys Ala Ala Ala Arg Val Asp Gln Glu Ile Asn Arg Ile Leu

20 25 30

Leu Glu Gln Lys Lys Gln Asp Arg Gly Glu Leu Lys Leu Leu Leu Leu

35 40 45

Gly Pro Gly Glu Ser Gly Lys Ser Thr Phe Ile Lys Gln Met Arg Ile

50 55 60

Ile His Gly Ala Gly Tyr Ser Glu Glu Glu Arg Lys Gly Phe Arg Pro

65 70 75 80

Leu Val Tyr Gln Asn Ile Phe Val Ser Met Arg Ala Met Ile Glu Ala

85 90 95

Met Glu Arg Leu Gln Ile Pro Phe Ser Arg Pro Glu Ser Lys His His

100 105 110

Ala Ser Leu Val Met Ser Gln Asp Pro Tyr Lys Val Thr Thr Phe Glu

115 120 125

Lys Arg Tyr Ala Ala Ala Met Gln Trp Leu Trp Arg Asp Ala Gly Ile  
130 135 140

Arg Ala Cys Tyr Glu Arg Arg Arg Glu Phe His Leu Leu Asp Ser Ala  
145 150 155 160

Val Tyr Tyr Leu Ser His Leu Glu Arg Ile Thr Glu Glu Gly Tyr Val  
165 170 175

Pro Thr Ala Gln Asp Val Leu Arg Ser Arg Met Pro Thr Thr Gly Ile  
180 185 190

Asn Glu Tyr Cys Phe Ser Val Gln Lys Thr Asn Leu Arg Ile Val Asp  
195 200 205

Val Gly Gly Gln Lys Ser Glu Arg Lys Lys Trp Ile His Cys Phe Glu  
210 215 220

Asn Val Ile Ala Leu Ile Tyr Leu Ala Ser Leu Ser Glu Tyr Asp Gln  
225 230 235 240

Cys Leu Glu Glu Asn Asn Gln Glu Asn Arg Met Lys Glu Ser Leu Ala  
245 250 255

Leu Phe Gly Thr Ile Leu Glu Leu Pro Trp Phe Lys Ser Thr Ser Val  
260 265 270

Ile Leu Phe Leu Asn Lys Thr Asp Ile Leu Glu Glu Lys Ile Pro Thr  
275 280 285

Ser His Leu Ala Thr Tyr Phe Pro Ser Phe Gln Gly Pro Lys Gln Asp

290                    295                    300

Ala Glu Ala Ala Lys Arg Phe Ile Leu Asp Met Tyr Thr Arg Met Tyr

305                    310                    315                    320

Thr Gly Cys Val Asp Gly Pro Glu Gly Ser Asn Leu Lys Lys Glu Asp

325                    330                    335

Lys Glu Ile Tyr Ser His Met Thr Cys Ala Thr Asp Thr Gln Asn Val

340                    345                    350

Lys Phe Val Phe Asp Ala Val Thr Asp Ile Ile Ile Lys Glu Asn Leu

355                    360                    365

Lys Asp Cys Gly Leu Phe

370